NEGOTIATED WIRELESS PERIPHERAL SECURITY SYSTEMS

This application is a continuation-in-part of copending U.S. patent application 09/698,882, filed 10/27/00, U.S. patent application 09/722,981, filed 11/27/00 and U.S. patent application ~~having attorney docket number EMD-NWP.001~~ 09/935,116, filed 8/22/01, still pending all by the same applicant.

Background of the Invention

Field of the Invention

This invention relates generally to mobile data network infrastructure methods and systems. More particularly, the invention relates to methods and systems that allow mobile devices to wirelessly contract for products and services that can result in a temporary expansion of mobile unit capabilities.

Description of the Related Art

This application is closely related to and is a continuation-in-part of U.S. patent application ~~having attorney docket number EMD-NWP.001~~ 09/935,116, filed 8/22/01, still pending. This application augments the aforementioned application with additional security procedures and includes a substantial amount of overlapping material. The security problem addressed in the current application concerns mainly the trustworthiness of negotiated wireless peripheral devices that are supplied, for example, by information kiosks that supply a wireless local area network to user devices in the immediate vicinity. Such information kiosks according to the present invention also provide peripheral device augmentation services so that a handheld device such as a smart phone with an area-constrained user interface can behave as a desktop system, i.e., a computer with a non-area constrained user interface. In this application, as in the aforementioned application, a non-area-constrained user interface is typically a desktop interface with a keyboard, mouse and a display area that is at least about six inches, but is preferably at least fourteen inches. Some non-area constrained user interfaces may use a speech interface to augment the interface or may use it to replace, for example, the keyboard or pointing device. That is, the present invention can be used with other non-area constrained user